

**Table 12.5.0 - ED mentions for central nervous system agents by drug category: Estimated rates per 100,000 population for the coterminous U.S. by year**

Drug name <sup>1,2,3</sup>	Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>4</sup> 1994, 2000	% change <sup>4</sup> 1998, 2000	% change <sup>4</sup> 1999, 2000
Analgesics .....	59	59	57	59	59	57	68	22.1	17.8	20.5
Antimigraine agents .....	0	0	0	0	0	0	0			
APAP/dichloralphenazone/isometheptene .....	0	0	0	0	0	0	0			
belladonna/caffeine/ergotamine/pentobarbital .....	0	...	0	0	0	0	...	...		
caffeine-ergotamine .....	0	0	0	...	0	...	0			
dihydroergotamine .....	0	0	0	...	0	...	0			
ergotamine .....	0	...	0	...	0	0	0	-71.4		100.0
isometheptene mucate .....	0	...	0	0	0	0	0			
methysergide maleate .....	0	...	...	0	0	0	0		-100.0	-100.0
naratriptan .....	0	0	...	...	0	0	...			
rizatriptan .....	0	0	0	0	0	0	0			
sumatriptan .....	0	0	...	...	0	0	...			
zolmitriptan .....	0	0	0	0	0	0	0			
antimigraine agents-NOS .....	...	0	...	0	0	...	0			
Cox-2 inhibitors .....	0	0	0	0	0	...	0			...
celecoxib .....	0	0	0	0	0	...	0			...
rofecoxib .....	0	0	0	0	0	...	0			...
cox-2 inhibitors-NOS .....	0	0	0	0	0	...	0			...
Narcotic analgesics .....	8	9	10	11	14	17	19	146.4	46.8	
alfentanil .....	0	0	0	0	0	0	...			
anileridine .....	0	0	0	...	0	...	0	450.0		
buprenorphine .....	0	0	0	...	0	...	0			
butorphanol .....	0	...	0	...	0	...	...			
codeine .....	1	1	1	0	1	0	0	-46.1		
dezocine .....	...	0	0	0	0	...	0			
dihydrocodeine .....	...	0	0	...	0	...	...			
dihydromorphinone .....	0	0	0	0	0	0	0	1,957.1		
fentanyl .....	0	1	1	0	1	1	1	94.8		
hydrocodone .....	0	0	0	0	0	1	...			
hydromorphone .....	0	0	0	0	0	0	...			
hydroxy-N-methylmorphinan .....	0	0	0	0	0	0	...			
levomethadyl acetate .....	0	0	0	0	0	0	0	-100.0		
levorphanol .....	...	...	0	0	0	0	0		300.0	
meperidine .....	0	0	0	0	0	0	0			
methadone .....	1	2	2	2	2	2	3	140.4	62.6	44.1
morphine .....	0	1	0	1	1	1	1	125.7		
nalbuphine .....	0	0	0	0	...	0	...			
noscapine .....	0	0	0	0	0	0	0			-100.0
opium .....	...	...	0	0	0	...	0			
oxycodone .....	0	...	0	0	0	1	2	2,647.8	266.7	110.2
oxymorphone .....	0	0	0	0	0	0	...			
papaveretum .....	0	0	0	0	0	0	0		-100.0	
pentazocine .....	0	0	0	0	0	0	...			
phenacetin .....	...	0	0	...	0	0	0		-100.0	
propoxyphene .....	1	0	0	0	0	0	0	-60.9		
remifentanyl .....	0	...	0	0	0	0	0		-100.0	
sufentanil .....	0	...	0	0	0	0	0		-100.0	
narcotic analgesics-NOS .....	4	4	5	7	8	11	10	212.2	40.2	

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Drug name <sup>1,2,3</sup>	Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>4</sup> 1994, 2000	% change <sup>4</sup> 1998, 2000	% change <sup>4</sup> 1999, 2000
Narcotic analgesic combinations .....	11	10	10	12	11	11	14	37.6	31.0	26.4
acetaminophen-codeine .....	3	3	3	3	2	2	2	-43.7	-23.8	
acetaminophen-hydrocodone .....	4	4	4	4	5	5	7	114.7	50.1	34.5
acetaminophen-oxycodone .....	2	1	1	2	2	2	3			
acetaminophen-pentazocine .....	...	0	0	...	...	...	...			
acetaminophen-propoxyphene .....	2	2	2	2	2	2	2			
acetaminophen/caffeine/codeine .....	0	...	0	0	0	...	...			
acetaminophen/meperidine .....	0	...	0	0	0	...	...			
APAP/ASA/caffeine/phenacetin .....	...	0	...	...	...	...	0			...
APAP/butalbital/caffeine/codeine .....	0	0	0	0	...	0	0			
APAP/caffeine/dihydrocodeine .....	0	0	0	...	0	0	0			
ASA/butalbital/caffeine/codeine .....	0	0	0	...	0	0	0			
ASA/caffeine/dihydrocodeine .....	...	...	0	...	0	0	0			
ASA/caffeine/propoxyphene .....	0	...	0	0	...	0	...			
aspirin-codeine .....	0	0	0	0	...	0	...			
aspirin-hydrocodone .....	0	0	0	0	0	0	0	-100.0	-100.0	
aspirin-oxycodone .....	0	0	0	0	0	0	0			227.3
aspirin-pentazocine .....	...	0	0	...	...	...	...			
aspirin/caffeine/codeine .....	...	...	...	0	...	0	0			
aspirin/caffeine/codeine/phenacetin .....	...	...	...	0	...	0	0			
aspirin/caffeine/codeine/phenacetin/phenolphthalein .....	0	0	0	0	0	0	0			
aspirin/caffeine/phenacetin/pseudoephedrine .....	0	0	0	0	0	0	0			
aspirin/ethoheptazine .....	0	0	0	0	...	0	0			
belladonna-opium .....	0	0	...	0	0	0	0			
cocaine (Schedule I substance)/morphine .....	0	0	0	...	0	0	0	300.0	300.0	
codeine/papaverine .....	0	0	0	...	0	0	0			-100.0
codeine/phenacetin .....	0	0	0	...	0	0	0			
codeine/salicylates .....										
droperidol-fentanyl .....										
hydrocodone-ibuprofen .....	0	0	0	0	0	...	0		1782.4	
kaolin-pectin/paregoric .....	0	0	0	0	0	0	0	-100.0		
meperidine-promethazine .....	...	0	...	...	...	0	...			
naloxone-pentazocine .....	0	...	0	0	0	0	0			
codeine combination-NOS .....	0	0	...	...	...	0	0	-100.0		
narcotic analgesic combinations-NOS .....	0	0	0	0	0	0	0		1000.0	266.7
Nonsteroidal anti-inflammatory agents .....	12	13	11	11	11	9	10	-13.7		14.6
bromfenac .....	0	0	0	0	0	0	...			
diclofenac .....	0	0	0	0	0	0	...			
diclofenac-misoprostol .....										
etodolac .....	0	0	0	0	0	...	...			
fenoprofen .....	...	...	0	0	...	0	0			-100.0
flurbiprofen .....	0	0	...	0	0	0	...			
ibuprofen .....	9	9	7	7	7	6	7			24.8
indomethacin .....	0	0	0	0	...	0	...			
ketoprofen .....	0	0	0	0	0	...	...			
ketorolac .....	1	0	0	0	0	0	...			
meclofenamate .....	0	0	0	0	...	0	...			
mefenamic acid .....	0	0	0	...	0	...	0			



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Drug name <sup>1,2,3</sup>	Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>4</sup> 1994, 2000	% change <sup>4</sup> 1998, 2000	% change <sup>4</sup> 1999, 2000
paraaminobenzoic acid/sodium salicylate .....	0	0	0	0	0	...	0			
prednisone/salicylamide .....										
analgesic combinations-NOS .....	0	...	...	...	...	0	...			
Miscellaneous analgesics .....	16	16	16	16	14	12	14			20.2
acetaminophen .....	16	15	16	15	13	11	13			18.5
ammonium sulfate .....	0	0	0	0	...	0	0			
benoxaprofen .....										
benzydamine HCL .....										
dipyron .....	0	...	0	0	0	0	0			
dypyrone .....	...	0	0	0	0	...	0			
glafenine .....										
methotrimeprazine .....										
morazone .....										
oxyphenbutazone .....										
salicylamide .....	0	...	0	0	...	0	0			
suprofen .....										
tramadol .....	0	0	1	1	1	0	1			
xylazine .....	0	0	0	0	0	0	0			
zomepirac .....	0	0	0	0	...	...	0	-100.0		
analgesics-NOS .....	0	0	0	0	0	0	0			
Anorexiant .....	1	1	1	1	1	1	1	-34.6		
clobenzorex .....	0	0	0	0	...	0	0	-100.0		
dexfenfluramine .....	0	0	0	0	...	0	...			
diethylpropion .....	0	...	0	0	...	0	0			
fenfluramine .....	...	0	0	0	...	...	0			
fenproporex .....	0	0	0	0	0	0	0			
mazindol .....	0	...	0	0	0	0	0			
phendimetrazine .....	...	0	0	0	...	...	...			
phenmetrazine HCl .....	0	0	0	0	0	0	0	-100.0	-100.0	
phentermine .....	...	0	0	0	0	0	0			
phenylpropanolamine .....	1	1	1	0	0	0	0	-51.2		
sibutramine .....										
anorexiant-NOS .....	0	0	0	0	0	0	0			
Anticonvulsants .....	4	4	5	5	6	6	7	80.0		
5-allyl-5-isobutylbarbituric acid .....										
aloxidone .....	0	0	0	0	...	0	0			
aprobarbital .....	0	...	0	0	0	...	0			
carbamazepine .....	2	2	2	1	1	1	1	-41.3		
divalproex sodium .....	1	1	2	2	3	2	3	253.9		
ethosuximide .....	0	0	...	...	0	...	0	-100.0		
ethotoin .....										
felbamate .....	...	0	0	0	0	0	0	...	-100.0	
fosphenytoin .....	0	0	0	0	0	...	...			
gabapentin .....	...	0	...	0	0	1	2	...	345.6	86.4
hydantoin .....	0	0	0	...	0	0	0	-100.0		-100.0
lamotrigine .....	0	0	0	...	...	...	...			
levetiracetam .....										
mephenytoin .....										

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methetoin .....	...	0	0	0	0	...	0			
methsuximide .....	0	0	0	0	0	0	...			
oxcarbazepine .....										
paramethadione .....										
phenacemide .....										
phensuximide .....	0	0	...	0	...	0	0	-100.0		
phenytoin .....	1	2	1	1	1	1	1			
primidone .....	0	0	0	...	...	0	0	-47.8		
tiagabine .....										
topiramate .....	0	0	0	0	...	...	0		...	...
trimethadione .....										
valproic acid .....	0	0	0	0	0	0	0			
zonisamide .....										
anticonvulsants-NOS .....	0	0	0	...	0	0	...			
Antiemetic/antivertigo agents .....	1	0	0	0	0	0	0			
benzocaine-trimethobenzamide .....										
cyclizine .....	0	0	0	0	...	...	0	-62.5		
dimenhydrinate .....	0	0	0	0	0	0	0			
dimenhydrinate/niacin/pentylenetetrazol .....										
diphenidol .....	0	...	0	0	0	0	0			
dolasetron .....										
dronabinol .....	...	0	0	0	0	...	...			
granisetron .....										
isopropamide iodide .....	0	0	...	0	0	0	...			
meclizine .....	0	0	0	0	0	...	...		...	
ondansetron .....	0	0	0	0	0	0	0			
phosphorated carbohydrate solution .....	0	0	0	...	0	0	0			
scopolamine .....	0	...	0	...	...	...	0			-100.0
thiethylperazine .....	0	0	0	0	0	0	...			
trimethobenzamide .....	0	0	0	0	0	...	...			
antiemetic/antivertigo agents-NOS .....	...	0	0	0	0	...	0			
Antiparkinson agents .....	2	1	1	1	1	1	0	-78.5	-60.2	
benztropine .....	1	1	1	1	1	0	0	-76.4	-61.6	
biperiden .....	...	...	...	...	0	0	0			
bromocriptine .....	...	...	0	0	0	0	...		...	
carbidopa .....										
carbidopa-levodopa .....	...	...	...	0	0	...	0			
entacapone .....										
levodopa .....	...	0	...	...	0	0	0		-100.0	
pergolide .....										
pramipexole .....										
procyclidine .....	0	0	0	...	0	0	0	-100.0		-100.0
ropinirole .....										
selegiline .....	...	0	0	...	0	...	...			
tolcapone .....										
trihexyphenidyl .....	0	0	0	0	...	...	...			
antiparkinson agents-NOS .....										

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Drug name <sup>1,2,3</sup>	Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>4</sup> 1994, 2000	% change <sup>4</sup> 1998, 2000	% change <sup>4</sup> 1999, 2000
General anesthetics .....	0	0	...	0	0	...	...			
droperidol .....	0	0	...	0	0	0	0		-71.4	
etomidate .....										
methohexital .....										
propofol .....	0	0	...	0	...	...	...			
thiamylal sodium .....										
thiopental .....	0	...	0	0	0	0	0	-100.0	-100.0	
general anesthetics-NOS .....										
Muscle relaxants .....	5	6	6	5	6	6	6	30.2		16.0
acetaminophen/chlorzoxazone .....	...	0	...	...	0	...	0			
acetaminophen/orphenadrine .....	0	0	0	0	0	0	0			-100.0
ASA/caffeine/orphenadrine .....	...	0	...	0	...	...	...			
ASA/carisoprodol/codeine .....	...	...	0	0	...	0	0			
aspirin-carisoprodol .....	...	...	...	...	0	0	...			
aspirin-meprobamate .....	0	...	0	...	0	...	0	-100.0		
aspirin-methocarbamol .....	...	0	...	...	0	0	0		-100.0	
atracurium .....										
baclofen .....	...	...	...	0	0	0	...			
benzocetamine .....	0	0	0	0	0	0	0			
botulinum toxin type A .....										
carisoprodol .....	3	3	3	3	4	4	4	44.9		
chlorphenesin .....	0	0	...	0	0	0	0			
chlorzoxazone .....	0	0	0	...	0	...	...			
cisatracurium .....										
cyclobenzaprine .....	1	1	2	2	1	1	2			44.0
dantrolene .....	0	0	0	0	0	0	0			
doxacurium .....										
mephenesin .....	0	0	0	0	0	0	0	-100.0		
metaxalone .....	0	...	0	0	0	0	0	3,000.0		
methocarbamol .....	0	0	0	0	0	0	0			
methoxyethoxyethylaminomethyl-1-4-benzodioxan .....	0	...	0	0	...	0	0	-100.0		-100.0
metocurine .....										
mivacurium .....										
orphenadrine .....	0	0	0	0	0	0	...			
pancuronium .....	0	0	0	0	0	0	0			
pipecuronium .....										
rapacuronium .....										
rocuronium .....										
succinylcholine .....	0	0	0	...	0	0	0	-100.0		
tizanidine .....	0	0	0	0	0	...	0			...
tubocurarine .....										
vecuronium .....	0	0	0	0	0	0	...			
muscle relaxants-NOS .....	0	0	0	0	0	0	0			
Miscellaneous CNS agents .....	0	0	0	0	0	...	...			
cevimeline .....										
donepezil .....	0	0	0	0	0	...	...			
ergoloid mesylates .....	0	0	0	0	0	0	0			
laudanosine .....	0	0	0	0	0	...	...			

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Drug name <sup>1,2,3</sup>	Total 1994	Total 1995	Total 1996	Total 1997	Total 1998	Total 1999	Total 2000	% change <sup>4</sup> 1994, 2000	% change <sup>4</sup> 1998, 2000	% change <sup>4</sup> 1999, 2000
pilocarpine .....										
rivastigmine .....										
tacrine .....										

<sup>1</sup> This classification of drugs is derived from the Multum Lexicon, Copyright © 2001, Multum Information Services, Inc. The classification has been modified to meet DAWN's unique requirements (2001). The Multum Licensing Agreement governing use of the Lexicon is provided in an appendix to this report and can be found on the Internet at <http://www.multum.com>.

<sup>2</sup> Cocaine (Schedule I substance) / morphine is Brompton's mixture. All other mentions of cocaine are classified under Major Substances of Abuse.

<sup>3</sup> Anesthetic gasses are classified under Inhalants.

<sup>4</sup> This column denotes statistically significant ( $p < 0.05$ ) increases and decreases between estimates for the periods noted. See Relative Standard Error (RSE) tables for  $p$ -values.

NOTE: These estimates are based on a representative sample of non-Federal, short-stay hospitals with 24-hour emergency departments in the coterminous U.S. Dots (...) indicate that an estimate with an RSE greater than 50% has been suppressed. Drugs are classified to the degree of specificity recorded in the DAWN case reports.

CNS = central nervous system, ED = emergency department, NOS = not otherwise specified, NTA = not tabulated above.

SOURCE: Office of Applied Studies, SAMHSA, Drug Abuse Warning Network, 2000 (09/2001 update).